TABLE 1. ROTARY KILN INCINERATOR EXPECTED HWC MACT OPERATING AND EMISSION LIMITS

HWC MACT LIMIT	HOW ESTABLISHED	AVERAGING TIME	LIMIT ESTABLISHED WHEN OPERATING CEMS	OPERATING LIMIT WHEN CEMS OR BACKUP CEMS IS UNAVAILABLE
LIMITS ASSOCIATED WITH THE COMBUSTION UNIT				
Minimum combustion chamber temperature	Average of test run averages	Hourly rolling average	X	X
Maximum combustion chamber pressure	No operating limit established. The kiln uses pressurized seals and the rest of the system is sealed.	NA		
Maximum flue gas flow rate or production rate[a]	Average of the maximum hourly rolling averages	Hourly rolling average	X	X
Operation of waste firing system	Minimum waste atomization media pressure	Hourly rolling average	X	X
Carbon monoxide emission rate	HWC MACT	Hourly rolling average	X	X
LIMITS ASSOCIATED WITH WASTE FEED				
Maximum solid waste feed	Average of the maximum rolling hour averages	Hourly rolling average	X	X
Maximum rotary kiln primary waste feed rate	Average of the maximum rolling hour averages	Hourly rolling average	X	X
Maximum rotary kiln secondary waste feed rate	Average of the maximum rolling hour averages	Hourly rolling average	X	X
Maximum SCC primary waste feed rate	Average of the maximum rolling hour averages	Hourly rolling average	X	X
Maximum SCC secondary waste feed rate	Average of the maximum rolling hour averages	Hourly rolling average	X	X
LIMITS ASSOCIATED WITH PARTICULATE MATTER EMISSIONS				
Particulate Emission Limit	CMS Performance Evaluation Test Plan/Alternative Monitoring Petition	6-hour rolling average from block hour average	X	
Maximum ash feed rate	Average of the test run averages	12-hour rolling average		X
Minimum pressure drop across the Hydro-Sonics	Average of the test run averages	Hourly rolling average		X-equivalent pressure drop
Maximum solids content of the condenser/absorber scrubber water via CMS or minimum blowdown rate and either minimum scrubber tank volume or level	Average of the test run averages	12-Hour rolling average if measured by CMS, Hourly rolling average for minimum blowdown and either tank volume or level		waived via Alternative Monitoring Petition request under 1209(g) of HWC MACT
Maximum solids content of the Hydro-Sonics scrubber water via CMS or minimum blowdown rate and either minimum scrubber tank volume or level	Average of the test run averages	12-Hour rolling average if measured by CMS, Hourly rolling average for minimum blowdown and either tank volume or level		X- via CMS
Minimum liquid to gas ratio (L/G) or minimum liquid and maximum flue gas flow rates for the Hydro-Sonics scrubber	Average of the test run averages	Hourly rolling average		X
LIMITS ASSOCIATED WITH HCl/Cl_2 EMISSIONS				
HCl/Cl_2 emission rate	CMS Performance Evaluation Test Plan/Alternative Monitoring Petition	12-hour rolling average	X	
Maximum feed rate of total chlorine and chloride	Average of the test run averages	12-hour rolling average		X
Minimum pressure drop across the Hydro-Sonics scrubber	Average of the test run averages	Hourly rolling average		X-equivalent pressure drop
Minimum pressure drop across the condenser/absorber	Manufacturer's specifications	Hourly rolling average		X
Minimum liquid feed pressure to the condenser/absorber	Manufacturer's specifications	Hourly rolling average		X

TABLE 1. ROTARY KILN INCINERATOR EXPECTED HWC MACT OPERATING AND EMISSION LIMITS

HWC MACT LIMIT	HOW ESTABLISHED	AVERAGING TIME	LIMIT ESTABLISHED WHEN OPERATING CEMS	OPERATING LIMIT WHEN CEMS OR BACKUP CEMS IS UNAVAILABLE
Hydro-Sonics scrubber minimum Liquid to Gas Ratio (L/G) or minimum liquid & maximum flue gas flow rates	Average of the test run averages	Hourly rolling average		X
Condenser/absorber minimum Liquid to Gas Ratio (L/G) or minimum liquid & maximum flue gas flow rates	Average of the test run averages	Hourly rolling average		X
Minimum condenser/absorber water pH	Average of the test run averages	Hourly rolling average		X
Minimum Hydro-Sonics scrubber water pH	Average of the test run averages	Hourly rolling average		X
LIMITS ASSOCIATED WITH METALS EMISSIONS				
Mercury emission rate	CMS Performance Evaluation Test Plan Alternative Monitoring Application	12-hour rolling average from block hour average	X	
SVM emission rate	CMS Performance Evaluation Test Plan Alternative Monitoring Application	12-hour rolling average from block hour average	X	
LVM emission rate	CMS Performance Evaluation Test Plan Alternative Monitoring Application	12-hour rolling average from block hour average	X	
Maximum feed rate of mercury	Average of the test averages – (may be extrapolated upward)	12-hour rolling average		X
Maximum feed rate of SVM	Average of the test averages – (may be extrapolated upward)	12-hour rolling average		X
Maximum feed rate of LVM (pumpable and total feedrate)	Average of the test averages – (may be extrapolated upward)	12-hour rolling average		X
Maximum total chlorine and chloride feed rate	Average of the test run averages	12-hour rolling average		X
Minimum pressure drop across the Hydro-Sonics scrubber	Average of the test run averages	Hourly rolling average		X-equivalent pressure drop
Minimum pressure drop across the condenser/absorber	Manufacturer's specifications	Hourly rolling average		X
Minimum liquid feed pressure to the condenser/absorber	Manufacturer's specifications	Hourly rolling average		X
Maximum solids content of the condenser/absorber scrubber water via CMS or minimum blowdown rate and either minimum scrubber tank volume or level	Average of the test run averages	12-Hour rolling average if measured by CMS, Hourly rolling average for minimum blowdown and either tank volume or level		waived via Alternative Monitoring Petition request under 1209(g) of HWC MACT
Maximum solids content of the Hydro-Sonics scrubber water via CMS or minimum blowdown rate and either minimum scrubber tank volume or level	Average of the test run averages	12-Hour rolling average if measured by CMS, Hourly rolling average for minimum blowdown and either tank volume or level		X- via CMS
Condenser/absorber minimum Liquid to Gas Ratio (L/G) or minimum liquid & maximum flue gas flow rates	Average of the test run averages	Hourly rolling average		X
Hydro-Sonics scrubber minimum Liquid to Gas Ratio (L/G) or minimum liquid & maximum flue gas flow rates	Average of the test run averages	Hourly rolling average		X

[a] This limit is also an indicator of compliance with the SVM, LVM, PM, and HCl/Cl_2 emission limits.

NA = Not Applicable CMS = Continuous Monitoring System